

On page 7, line 19, before the sentence beginning "Embodiments of the present invention..." insert the heading --Brief Description of the Drawings--.

On page 7, line 25, before the sentence beginning "Fig.1 shows a mould..." insert the following heading --Description of the Preferred Embodiment and Best Mode--.

IN THE CLAIMS:

Please amend the claims as follows

4. (Amended) A mould according to claim 1, characterized in that the first material comprises steel.
7. (Amended) A mould according to claim 5, characterized in that the first material comprises H13 or AISI 420.
8. (Amended) A mould according to claim 1, characterized in that the second material comprises copper or a copper alloy.
11. (Amended) A mould according to claim 1, characterized in that the third material comprises nickel or a nickel alloy.
12. (Amended) A mould according to claim 1, characterized in that the second part is in the form of one or more inserts (22, 24, 26) locatable in one or more recesses (16, 18,

20) in the first part (12).

A₁₃ 13. (Amended) A mould according to claim 1, characterized in that the first part (12) provides a required minimum thickness of material for all of the mould surface (14).

A₁₅ 15. (Amended) A mould according to claim 1, characterized in that the third part is in the form of a coating on the first or second part or both.

A₁₇ 17. (Amended) A mould according to claim 15, characterized in that the coating is formed by electroplating and is 5 to 50µm thick.

A₁₉ 19. (Amended) A mould according to claim 1, characterized in that holes (28) are provided extending through at least the first part to permit ejector pins to extend therethrough for rejection of items from the mould (10), or for core pins or slides.

A₂₀ 20. (Amended) A mould according to claim 1, characterized in that passages (32) are provided extending through the first (12) and/or second (22, 24, 26) parts to permit cooling fluids and/or heating elements to extend therethrough.

A₂₂ 22. (Amended) A mould according to claim 20, characterized in that an insert (34) of

the first material is provided in the second part (26) to receive a passage (32) from the first part (12), or vice versa.

A8
23. (Amended) A mould according to claim 1, characterized in that the mould comprises a number of cooperable parts, with each part being according to the invention.

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26. (Amended) A mould according to claim 23, characterized in that insert members (50) are provided in the second part (26).

A10
28. (Amended) A mould according to claim 26, characterized in that the insert members (50) are of the first material.

A10
29. (Amended) A mould according to claim 23, characterized in that the first part (12) is in the form of a generally constant thickness layer (56) on the second member (54).

A11
31. (Amended) A mould according to claim 23, characterized in that the part of the first part (12) which faces the second part and/or the part of the second part which faces the first part (12) have a relatively large surface area.

A12
34. (Amended) A mould according to claim 32, characterized in that corresponding interengaging formations are provided on each of the first and second parts.

A12
35. (Amended) A method of making a mould, characterized in that the mould (10, 40, 44, 48, 52, 58, 62, 74, 80, 90, 100) is according to claim 1.

A13
38. (Amended) A method according to claim 36, characterized in that the composite blank is formed by locating the first, second and third materials together and subjecting to hot isostatic pressing to form metallic bonds respectively between the first and third, and second and third materials.

40. (Amended) A method according to claim 38, characterized in that the pressing takes place at a temperature of 400 to 1350°C.

41. (Amended) A method according to claim 38, characterized in that the pressing takes place at a pressure of 400 to 3000 bar.

A14
42. (Amended) A method according to claim 39, characterized in that the sealed container is substantially evacuated of fluids prior to pressing.

43. (Amended) A method according to claim 36, characterized in that the composite blank may be formed by locating the first, second and third materials together and subjecting to uniaxial pressing to form metallic bonds respectively between the first and third, and second and third materials.

44. (Amended) A method according to claim 38, characterized in that the third part is applied on to the first (12) or second part by electroplating.

45. (Amended) A method according to claim 38, characterized in that the third part is provided as a foil or applied by electroless plating.

46. (Amended) A method according to claim 35, characterized in that the mould is heat treated before and/or after machining.

47. (Amended) A method according to claim 35, characterized in that the second part may be formed by machining.

48. (Amended) A method according to claim 35, characterized in that where the second part is in the form of one or more inserts (22, 24, 26) locatable in one or more cavities (16, 18, 20) in the first part (12), the second part is formed by filling the or each cavity (16, 18, 20) in the first part (12) with the second material in powder form, which powder forms the second part (22, 24, 26) during uniaxial or hot isostatic pressing.

49. (Amended) A method according to claim 35, characterized in that where the second part (22, 24, 26) is in the form of one or more sheets locatable in one or more cavities in the first part, the second part (22, 24, 26) is cast in the or each cavity (16, 18,

20) in the first part (12).

A¹⁴_{cd} 50. (Amended) A method according to claim 48, characterized in that the walls of the or each cavity (16, 18, 20) are initially coated with a layer of the third material.

A¹⁵ 52. (Amended) A method according to claim 35, characterized in that where the first part (12) is in the form of a substantially constant thickness layer, the underside (non-moulding surface) of the first part (12) is machined from a block of first material.

A¹⁶ 56. (Amended) A method according to claim 54, characterized in that once the second part (54) has been formed and bonded to the underside of the mould surface of the first part (12), the first part (12) is formed by machining.

57. (Amended) A method according to claim 35, characterized in that the first part (12) is formed by hot isostatic or uniaxial pressing of powdered first material.

A¹⁷ 60. (Amended) A method according to claim 58, characterized in that the first part (84) is formed as layer (84) between two formers (78, 82).

A¹⁸ 63. (Amended) A method according to claim 61, characterized in that the former (78)

A18
Acd is made of steel, graphite or ceramic.

68. (Amended) A mould according to claim 65, characterized in that the channels (64, 94) have a width and depth of between 2 and 10mm.

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69. (Amended) A mould according to claim 65, characterized in that the channels (64, 94) are lined with pipes (68, 96).

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73. (Amended) A mould according to claim 66, characterized in that the first part (70, 98) and/or the base part (66, 92) are made of a tool or mould steel.

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75. (Amended) A mould according to claim 65, characterized in that the third material is nickel or a nickel alloy.

76. (Amended) A mould according to claim 65, characterized in that a second part (76, 102) is provided on the surface of the base part (66, 104).

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78. (Amended) A mould according to claim 76, characterized in that a layer of third material is provided between the second part (76, 102) and the base part (66, 104).

79. (Amended) A mould according to claim 76, characterized in that the second part

A²²_{cd} (76, 102) is in the form of a substantially uniform thickness layer.

A²³ 81. (Amended) A mould according to claim 76, characterized in that the second material comprises copper or a copper alloy.

82. (Amended) A mould according to claim 65, characterized in that the first part (70, 98) is in the form of a substantially uniform thickness layer.

A²⁴ 84. (Amended) A method of forming a mould according to claim 65.

87. (Amended) A method according to claim 85, characterized in that the slots are lined with pipes (68, 96) which during the hot isostatic pressing expand to fill the slots (64, 94).

A²⁵ 88. (Amended) A method according to claim 85, characterized in that the pipes (68, 96) are filled with a sacrificial powder such as graphite which is subsequently removed.

89. (Amended) A method according to claim 84, characterized in that where a second part is provided between the first and base parts, the second part is located therebetween prior to pressing.